Case Study:

Trelleborg Municipality, Sweden

Trelleborg municipality has measured the ambient air quality since the early 90's. In 2016, they became the first municipality to sign a contract with OPSIS to handle their measurement of the ambient air quality.

Trelleborg is a port city situated in the south of Sweden. The 1st of January 2016 measurements of NO_2, SO_2 and PM_{10} started on Hamngatan in the centre of Trelleborg.

Trelleborg municipality used to measure the ambient air quality with a system that only produced data as daily averages. They needed monitoring equipment that could give higher resolution and quicker results. They decided to use OPSIS BOO, it was beneficial from a total-cost-of-ownership perspective. OPSIS handles the monitoring, maintenance and validation and Trelleborg buys measurement data.

The monitoring container is equipped with a LED strip that changes colour depending on the air quality. When the air quality is below the local limit values, the LED strip is green. If the air pollution levels increase, the colour changes from green to yellow, via orange and eventually reaches red if the concentrations are higher than the national limit.

The monitoring can be followed in near real time on the www.trelleborgsluft.se.

"High resolution and fast access to results"

"We have always been interested in the air quality here in Trelleborg and we have had air quality measurements since the beginning of the 90's".

"With the AQM system, we believe we get a safe delivery of data readily available at a minimum of effort. An additional benefit is the LED light ramp system which shows us the air quality visually."

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